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PTO/SB/82 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035
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REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/431,758
Filing Date	November 1, 1999
First Named Inventor	Joseph G. Murphy
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	EMC-99-060

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name

Leanne J. Fitzgerald (Reg. No. 40,606), EMC Corporation, Hopkinton, MA 01748

Signature

Leanne J. Fitzgerald

Date

12-12-01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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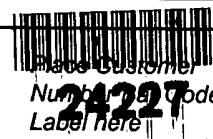
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PTO/SB/81 (11-96)
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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT, NOT ACCOMPANYING APPLICATION	Application Number	09/431,758
	Filing Date	November 1, 1999
	First Named Inventor	Joseph G. Murphy
	Group Art Unit	Not yet assigned
	Examiner Name	Not yet assigned
	Attorney Docket Number	EMC-99-060

I hereby appoint:

☒ Practitioners at Customer Number → 
OR
☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.
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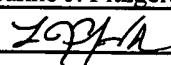
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☐ Applicant.

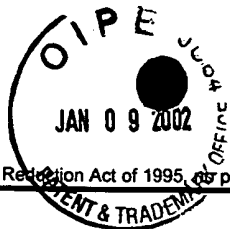
☒ Assignee of record of the entire interest
Certificate under 37 CFR 3.73(b) is enclosed

SIGNATURE of Applicant or Assignee of Record

Name	Leanne J. Fitzgerald, Reg. No. 40,606, EMC Corp, 35 Parkwood Dr, Hopkinton, MA 01748
Signature	
Date	12-12-01

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Joseph G. Murphy and Ilya LubovitchApplication No./Patent No.: 09/431,758 Filed/Issue Date: November 1, 1999Entitled: Multiple Storage Array ControlEMC Corporation

(Name of Assignee)

a

Corporation

(Type of Assignee, e.g. corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____%

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 10370, Frame 930, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12.12.01

Date

Leanne J. Fitzgerald

Typed or printed name

[Signature]

Signature

Intellectual Property Counsel

Title

07072/919001



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

FEBRUARY 11, 2000

FISH & RICHARDSON P.C.
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RECORDATION DATE: 11/01/1999

REEL/FRAME: 010370/0930
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MURPHY, JOSEPH G.

DOC DATE: 10/28/1999

ASSIGNOR:
LUBOVICH, IIYA

DOC DATE: 10/28/1999

ASSIGNEE:
EMC CORPORATION
35 PARKWOOD DRIVE
HOPKINTON, MASSACHUSETTS 07148

SERIAL NUMBER: 09431758
PATENT NUMBER:

FILING DATE: 11/01/1999
ISSUE DATE:

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

* No Docketing Required *	
Reviewed By Practice Systems	Initials: <i>nmj</i>
Reviewed By Billing Secretary	Initials: _____

ASSIGNMENT

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For valuable consideration, we, Joseph G. Murphy of Westford, Massachusetts and Ilya Lubovich of Manchester, Connecticut hereby assign to EMC Corporation, a Massachusetts corporation having a place of business at 171 South Street, Hopkinton, Massachusetts 07148, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MULTIPLE STORAGE ARRAY CONTROL, filed HEREWITH, and assigned U.S. Serial Number _____, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for us and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton, MA,
this 28th day of October, 1999

Joseph G. Murphy
Joseph G. Murphy

L.S.

STATE OF

Massachusetts

:ss.

COUNTY OF

Middlesex

Before me this 28th day of October, 1999, personally appeared

Joseph G. Murphy known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nancy E. Buck
Notary Public

My Commission Expires:

[Notary's Seal Here]

NANCY E. BUCK

Notary Public

My Commission Expires Sept. 4, 2003

IN WITNESS WHEREOF, I hereto set my hand and seal at

Hopkinton, MA

this 28 day of October, 1999

Ilya Lubovich

STATE OF

Massachusetts

COUNTY OF

Middlesex ss.

Before me this 28th day of October, 1999, personally appeared

Ilya Liubovich known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nancy E. Buck
Notary Public

My Commission Expires:

[Notary's Seal Here]

NANCY E. BUCK

Notary Public

My Commission Expires Sept. 4, 2003

COPY L.S.